

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 1774

Date	Sec.	Twp.	Range	County	State	On Location	Finish
9-14-16	16	11	32	Logan	KS		8:00pm
Lease <u>Rumbach A</u>				Well No. <u>16-1</u>		Owner	
Contractor <u>WU #2</u>				To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Type Job <u>Surface</u>				Charge To <u>Russell O.I.</u>			
Hole Size <u>12 1/4</u>		T.D. <u>317</u>		Street			
Csg. <u>8 5/8</u>		Depth <u>316</u>		City			
Tbg. Size		Depth		State			
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.			
Cement Left In Csg. <u>15'</u>		Shoe Joint		Cement Amount Ordered <u>200 @ 20 3-1-LL 2/16/17</u>			
Meas Line		Displace <u>193L</u>		Common <u>160</u>			
EQUIPMENT							
Pumptrk <u>20</u> No. <u>20</u>		Cementier <u>Lois</u>		Poz. Mix <u>40</u>			
Bulktrk		Helper <u>Nick</u>		Gel. <u>4</u>			
Bulktrk <u>9</u> No. <u>9</u>		Driver <u>Dave</u>		Calcium <u>8</u>			
JOB SERVICES & REMARKS							
Remarks:				Hulls			
Rat Hole <u>90' sand on top</u>				Salt			
Mouse Hole				Flowseal			
Centralizers				Kol-Seal			
Baskets				Mud CLR 48			
D/V or Port Collar				CFL-117 or CD110 CAF 38			
<u>8 5/8 Ben bottom Bit Circulation</u>				Sand			
<u>Mix 200 SK & D. Spacer</u>				Handling <u>210</u>			
				Mileage			
FLOAT EQUIPMENT							
				Guide Shoe			
				Centralizer			
				Baskets			
				AFU Inserts			
				Float Shoe			
				Latch Down			
				Pumptrk Charge <u>Surface</u>			
				Mileage <u>15 (min)</u>			
X Signature <u>[Signature]</u>				Tax			
				Discount			
				Total Charge			

Customer	RUSSELL C. D. INC.	Lease No.		Date	9-23-16	
Lease	RUMBITCH A	Well #	16-1			
Field Order #	74006	Station	PRATT, KS.	Casing	5 1/2	
				Depth	4696	
Type Job	PIVW - LONGSTUDING		Formation	713-4700	Legal Description	16-11-32
				County	LOGAN	
				State	KS	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	100/4.1217E	RATE	PRESS	ISIP
5 1/2				Pre-Pad	2544'-2564'	Max'		5 Min.
Depth	Depth	From	To	Pad	DU TOOL	Min		10 Min.
4696				-Frac	2564'	Avg		15 Min.
Volume	Volume	From	To					
Max Press	Max Press	From	To					
Well Connection	Annulus Vol.	From	To			HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush		Gas Volume		Total Load
9019								

Customer Representative	TRID	Station Manager	KEVIN	Treater	COOKLEY
Service Units	X3353	78982-86779	71359-73768	84980-14860	
Driver Names	KG	SCOTT	DAVID	PAUL	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1800					CONVICTION
					PIVW 112 THS 5 1/2 - 15.5'
					RUMBITCH FRONT SITE LITCH RITE
					DU 12" PULLER HT 4679' 17'-5"
					DU TOOL HT 2564' TC # 57
					CEJOT - 25, 8, 12, 15, 18, 53
					BISSET - 11, 51'
1220					THE BOTTOM 12" BALL (UNDER KEVIN)
					SIT 5 1/2 HT 4696'
					BOTTOM STAGE
1300	300		5	6 1/2	PIVW 5 bbl H ₂ O
	300		24	6 1/2	PIVW 24 bbl SUPERFLUSH II
	300		5	6 1/2	PIVW 5 bbl H ₂ O
	200		42	6 1/2	MIX 175 SK HHP (PIVW)
					STRT - 11.75H LTRF - 12.1' P2UC
	0		11	6 1/2	STRT DES? w/ H ₂ O
	300		50	6 1/2	STRT DES? w/ H ₂ O
	300		75	6 1/2	LIFT (PIVW)
	600		105	3	SLOW RATE
1400	1400		111.4	3	1000 DOWN - H ₂ O

